



Date, Time, Name, Type, Status

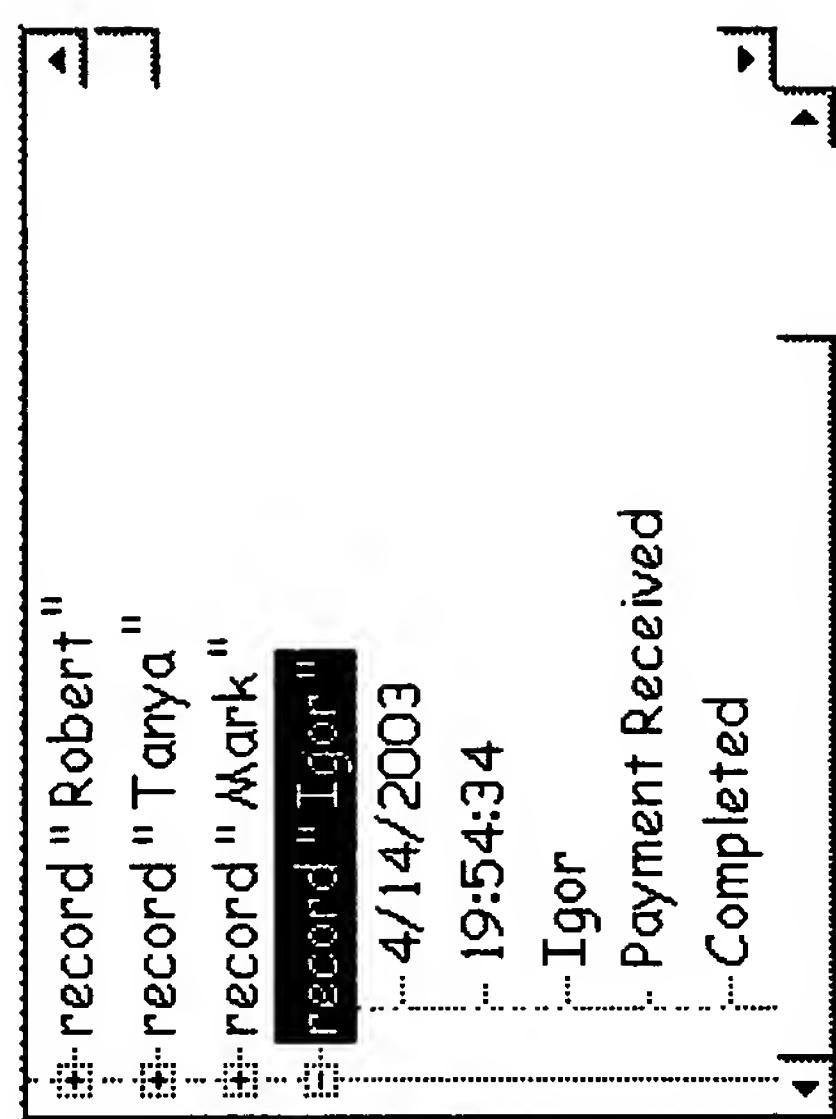
"4/19/2003", "11:20:35", "Robert", "Payment Received", "Uncleared"
"4/17/2003", "14:30:26", "Tanya", "Payment Received", "Completed"
"4/16/2003", "6:38:28", "Mark", "Payment Received", "Completed"
"4/14/2003", "19:54:34", "Igor", "Payment Received", "Completed"
"4/12/2003", "16:41:08", "Artem", "Payment Received", "Completed"

Fig. 1

```
record
record
  4/19/2003
  11:20:35
  Robert
  Payment Received
  Uncleared
record
record
  4/16/2003
  6:38:28
  Mark
  Payment Received
  Completed
record
  4/14/2003
  19:54:34
  Igor
  Payment Received
```

Fig. 2

Fig. 3



```
using System;
namespace IVDEV.Trees
{
    /// <summary>
    /// Summary description for MyControl
    /// </summary>
    public class MyControl : System.Windows.Forms.UserControl
    {
        private void MyTabPage_Enter(object sender, System.EventArgs e)
        {
            rb = new RepresentationBuilder();
            rb.code = textBox1.Text;
            rb.path_to_grammar = "C:\\grammars";
            rb.BuildGrammarTree();
            if ( a==1 )
            {
                b=2 ;
                while ( a==1 ){ a+=2; }
            }
            //the rest of the code is omitted for clarity...
        }
    }
}
```

Fig. 4

```
using System;
namespace IVDEV.Trees
{
    /// <summary>
    /// Summary description for MyControl
    /// </summary>
    public class MyControl : System.Windows.Forms.UserControl
    {
        private void MyTabPage_Enter(object sender, System.EventArgs e)
        {
            rb = new RepresentationBuilder();
            rb.code = textBox1.Text;
            rb.path_to_grammar = "C:\\grammars";
            rb.BuildGrammarTree();
            if ( a==1 )
            {
                b=2;
                while ( a==1 )
                {
                    a+=2;
                }
            }
            //the rest of the code is omitted for clarity...
        }
    }
}
```

Fig. 5

```
<?php

echo "Example statement\n";

if($a == 1)
{
    echo "value in a is 1\n";
}

function foo ($arg_1, $arg_2, ..., $arg_n)
{
    echo "Example function.\n";
    return $retval;
}

?>
```

Fig. 6

```
--<?php
--echo "Example statement\n";
--if ($a == 1)
--{
--    --echo "value in a is 1\n";
--}
--function foo ( $arg_1 , $arg_2 , ... , $arg_n )
--{
--    --echo "Example function.\n";
--    --return $retval;
--}
--?>
```

Fig. 7

```
"if" "(" boolean_expression ")"
  ... embedded_statement
  @- "else"
    ... embedded_statement
```

Fig. 8

```
if ( a==1 )
  b=2;
else
  c=3;
```

Fig. 9

```
└─ "if" "(" boolean_expression ")"
  └─.. embedded_statement
└─ "else"
  └─.. embedded_statement
```

Fig. 10

```
if ( a==1 )
  b=2;
else
  c=3;
```

Fig. 11

```
if ( a==1 )
  b=2;
```

Fig. 12

```
↳.. File
  ↳.. Line
    ↳.. Value
    ↳.. Line
      ↳.. Value
      ↳.. Line
        ↳.. Value
```

Fig. 13

rule representation mapping	representation of an if_statement
<pre> if "if" ["boolean_expression"] embedded_statement else "else" embedded_statement </pre>	<pre> if (a==1) b=2 ; else c=3 ; </pre>
<pre> "if" ["boolean_expression"] embedded_statement else "else" embedded_statement </pre>	<pre> if (a==1) b=2 ; else c=3 ; </pre>

Fig. 14